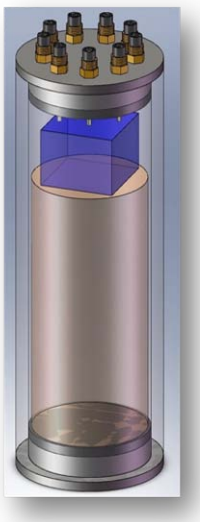
Subsea Li-Ion PowerPack 1.7 kWh

Smart Li-Ion Technology 14.8V / 117Ah



- **The battery pack can be configured to your requirements.**
- **Use of two packs to double the capacity or voltage**
- **Charging under water is possible! No need to open the housing!**

Technology	Li-Ion rechargeable battery with high-power, high safety, highly reliable cells and BMS	
Applications	Subsea Instrumentation, long-time deployments, Datalogger, Monitoring Stations and Equipment, Telemetry	
Housing	Titanium Ø 168 mm, Length 350mm, customizing on request	
Weight	15,8 kg 7,5 kg	at air in sea water
Connector	MCBH-5F	SUBCONN® Micro connector ● other on request
Operating depth	Standard 300m, deep-sea version 1000m, 2000m, 4000m and 6000m	
Temperature	-20 … +60 °C 0 … +40 °C -20 … +50 °C	Operating temperature Charge temperature Storage temperature
Voltage	16.8 V 14.8 V 12.0 V	Charging voltage Rated voltage Minimum voltage for full lifetime and performance
Capacity	117 Ah 107 Ah	Rated capacity, +20°C, after 50 cycles Typical capacity, 0°C, after 100 cycles
Current	7 A	max. continuous current (other on request)
Self discharge	20 %	per year at +25°C, 10% per year at 0°C
Charge cycles	>500 cycles	for 80% remaining capacity
Protection	17.4 V over-charge, 9 V under voltage discharge, 9 A current limiting after 1s	
Charger	Smart Charger, can be connected all time. Do not open the housing for charging. Special procedure to revive deeply discharged batteries. Signal LEDs for Power, Charging, 100%, Error. IP65 protected for on-board usage. 195 … 265VAC supply voltage	
Switch	Optionally Remote switch for ROV or manual Diver operation	
Special supply	Optionally special power supplies with DC/DC	
Datalogger	Optionally installed Datalogger and other electronics	
Transportation	The battery must be transported as dangerous goods class 9. SubCtech is registered as a vendor of batteries. Can be transported by sea, air or road. We are pleased to advise you.	

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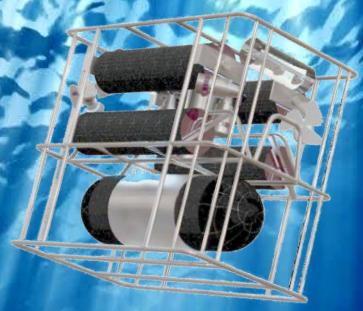
Subsea Technologies



Key References for Subsea Power Solutions

ACT Alliance for Coastal Technologies, USA
Antares Offshore, Houston US
AWI Alfred-Wegener-Institut, Germany
Aquadyne AS, Norway
Baltic Research Centre IOW, Germany
Contros, Germany
DOF Subsea (former Geo ASA), Norway
HCMR, Greece
IFM-GEOMAR, Germany
Kongsberg, Norway
KORDI, Korea
Paal Nordby OAN, Norway
Sub-Atlantic, UK
Tecnomare ENI, Italy
University of Fairbanks, Alaska
Williamson & Associates, Seattle & Rwanda
Zealquest, China